Gayathri Nandakumar

Statistics Lecturer

Thrissur, Kerala, India | gayathrinandakumar2556@gmail.com | LinkedIn | GitHub

SUMMARY

Statistics Guest Lecturer with strong teaching and analytical skills, passionate about simplifying statistical concepts and guiding students toward academic excellence.

WORK EXPERIENCE

Sree Narayana College, Nattika

Assistant Professor on Contract / Guest Lecturer – Statistics | July 2026 – Present

- Teach Statistics concepts and topics to students.
- Explain theoretical and mathematical concepts in a clear and structured manner.
- Prepare lessons, examples, and exercises to support students' understanding.
- Guide students in solving statistical problems and understanding course concepts.

TECHNICAL SKILLS

Core Subjects: Statistical Inference, Regression Analysis, Time Series Analysis, Sampling Techniques, Operations Research & Optimization

Programming & Statistical Tools: SAS, R Programming, SPSS, Python, SQL, EViews, Excel, Power BI

Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, PyTorch

Statistical & Analytical Skills: Data Analysis, Data Visualization, Statistical Modelling, Machine Learning, Data Collection, Data Cleaning

Communication Skills: English, Hindi, Malayalam

RESEARCH & INTERNSHIP EXPERIENCE

District Office of Economics and Statistics Thrissur

Statistics Intern | Apr 2023 - June 2023

- Participated in Agricultural Census data collection, validation, and field survey operations following government statistical protocols.
- Coordinated structured data collection processes and ensured accurate compilation, verification, and reporting of survey data.
- Performed statistical analysis, data cleaning, data enumeration, data manipulation and visualization on socio-economic datasets including suicidal death trends in Kerala (2017–2022) and Price Analysis of Waste Newspapers using R and Excel.

PROJECTS

AIDS Clinical Trial Analysis Using SAS - GitHub

Tools: SAS

- Performed statistical and survival analysis on real-world AIDS clinical trial data using SAS and biostatistical methods.
- Applied ANOVA, logistic regression, Kaplan–Meier survival analysis, and Cox proportional hazards modeling to evaluate treatment outcomes and patient survival.
- Conducted data cleaning, exploratory analysis, and visualization of clinical variables for healthcare research insights.

Estimation of Stress Strength Reliability for Chris-Jerry Distribution - Academic

Tools: R Programming, Matlab, Python

- Conducted a research project on stress-strength reliability estimation using Maximum Likelihood Estimation and bootstrap confidence interval techniques for the Chris-Jerry Distribution.
- Performed simulation studies and real-data analysis to evaluate model accuracy, bias, MSE, and goodness-of-fit in reliability analysis.

EDUCATION

Vimala College, University of Calicut, Thrissur

Master of Science - Statistics | 86.4% | AUG 2022 - APR 2024

Sri C Achuthamenon Govt College, University of Calicut, Thrissur

Bachelor of Science - Statistics | 83.6% | JULY 2019 - MAY 2022

ACHIEVEMENTS AND CERTIFICATIONS

- Secured 8th rank in B.Sc Statistics at university level.
- Earned R Programming for Data Science Professional certification from Edureka (Jan 2026).
- Completed Python Programming Certification from Edureka (Jan 2026).
- Certified in Analytics using SAS by Great Learning (Jan 2026).